



Mobile Communications & Technology Platform

Staying ahead!

Workshop on
*Shaping the Future of
Mobile and Wireless Communications*

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MOTIVATION

European Technology Platforms (ETPs) are new action fora where all stakeholders, led by industry, come together to define research and development priorities on areas of strategic importance for Europe's growth, competitiveness and sustainability. ETPs are designed as part of the 7th Framework Programme (FP7) of the European Commission, which will drive European R&D (Research and Development) initiatives in the period 2007-2013. They are committed within their mandate to contribute in an appropriate manner to the challenge of helping Europe become the most advanced knowledge-based society.

eMobility (www.emobility.eu.org) aims at reinforcing Europe's leadership in *mobile and wireless communications and services*, which have created unprecedented possibilities for people to communicate and have become a key driver of economic growth. eMobility shall master the future development of this technology, so that it best serves Europe's citizens and the European economy.

In a meeting of the eMobility Expert Advisory Group, a discussion was held on topics for R&D in the area of mobile and wireless communications. In the area of "topics beyond the usual ones", the idea of organising a workshop with people from other areas arose, which would contribute to a chapter on Frontier and Mutidisciplinary Research of the Strategic Research Agenda (SRA). This idea was further discussed in a meeting of the eMobilty Steering Board, and approved.

OBJECTIVES

The main objectives of the workshop are:

- to gather contributions to the chapter on Frontier and Multidisciplinary Research of the SRA;
- to establish further links between mobile and wireless communications and other areas;
- to find new applications for mobile and wireless communications;
- to get disruptive ideas for R&D in mobile and wireless communications.

DATE AND VENUE

The workshop will be held on May 22nd, 2006, at the headquarters of Deutsche Telekom:

T-Gallery

Deutsche Telekom AG

Friedrich-Ebert-Allee 140

53105 Bonn

Germany

Besides hosting the event, Deutsche Telekom will also sponsor it.

Details on the venue can be found at the end of this document.

COORDINATION

The Workshop is coordinated by a group of members from the Expert Advisory Group and the Steering Board:

- Luis M. Correia, IST – Technical University of Lisbon, Portugal
- Christian Sckerl, Deutsche Telekom, Germany
- Rahim Tafazolli, University of Surrey, United Kingdom
- Juha Saarnio, Nokia, Finland
- Laurent Herault, CEA/LETI, France

SPEAKERS AND CONTRIBUTING AREAS

Speakers were sought in various areas, namely the priority ones listed by the European Commission, but neither limited to nor necessarily covering all of them. The list of speakers is as follows:

- **Socio-economical Sciences and the Humanities**

Dr. Staffan Truvé, CEO, Interactive Institute in Sweden, Stockholm, Sweden,
<http://w3.tii.se/en/index.asp>

Topic related to "mobile life" will be addressed, e.g., people-focused innovations in mobile services, process industry and logistics.

- **Banking**

Mr. Luis Uguina, Technical Director for Innovation, Bankinter, Madrid, Spain,
<https://www.ebankinter.com/www/en-es/cgi/ebk+wi+home?secc=WBCP&subs=VHM>

Bankinter is an active bank in terms of technological innovation.

- **Health**

Dr. Piet Verhoeve, Senior Research Associate, Televic, Belgium, <http://www.televic.com>

Televic is a large Belgian SME and has an important market share in integrated healthcare solutions. Televic is further involved in many national and European research programmes and has a very good view what is going on in the health sector. Televic has recently won 'The award from the Flemish government for the Promising Company'.

- **Environment**

Prof. Paul Flikkema, Northern Arizona University, Flagstaff, USA, currently visiting the Centre for Wireless Communications, Oulu, Finland, <http://www.cet.nau.edu/~pgf>

Prof. Paul Flikkema has experience in environmental sensing by using wireless technologies.

- **Sports**

Mr. Antti Leppävuori, Managing Director, Snowpolis, Vuokatti, Finland, <http://www.snowpolis.fi>

Snowpolis specialises in wellness, sports and all-year winter.

- **Entertainment**

Mr. Malte Behrmann, Managing Director, German National Association of Game Developers (GAME), Berlin, Germany, <http://www.game-bundesverband.de>

GAME is an association of companies involved in computer games development.

FORMAT

The format of the workshop is as follows:

- each speaker is given a few questions;
- each speaker gives a talk for 20 minutes, starting by identifying his/her area, its positioning in the market, and then the answers to the questions; a short discussion is held after each presentation;
- at the end of the day, there is a period for global discussion and conclusions;
- presentations will be collected in proceedings, to be made available at the eMobility website.

QUESTIONS TO BE ADDRESSED

A possible set of questions to be answered by the speakers is:

- What is the current need for mobile and wireless communications in your business area?
- How can mobile and wireless communications contribute to increase your business?
- What can be possible applications of mobile and wireless communications in your area that can really make a difference in the future?
- What have been the biggest sources for frustration for you regarding the communications needs in your business area?
- What new communication paradigms, technologies, materials, etc., would help push mobile and wireless communication systems far beyond today's performance?

PROGRAMME

The schedule of the programme is as follows:

- 09h30 - 10h00: Opening
 - Udo Bub, Co-Director, Innovation Development Laboratory, Deutsche Telekom Laboratories, Germany

- Christian Sckerl, Vice-President, Deutsche Telekom Laboratories, Germany
 - Fiona Williams, Chairperson, eMobility
 - Luis M. Correia, Workshop Chairperson, eMobility
- 10h00 - 11h30: Tour at the T-Gallery
- 11h30 - 12h30: 2 presentations
 - Staffan Truvé, Interactive Institute in Sweden, Sweden
 - Luis Uguina, Bankinter, Spain
- 12h30 - 14h00: Lunch
- 14h00 - 15h30: 3 presentations
 - Piet Verhoeve, Televic, Belgium
 - Antti Leppävuori, Snowpolis, Finland
 - Paul Flikkema, Northern Arizona University, USA
- 15h30 - 16h00: Break
- 16h00 - 16h30: 1 presentation
 - Malte Behrmann, German National Association of Game Developers, Germany
- 16h30 – 17h30: Wrap up.

ATTENDANCE

The attendance of the workshop is relatively small (around 60 people), in order to enable the necessary conditions for a fruitful discussion, instead of just a series of presentations, like in most conferences, and also due to limitations on the room capacity. Initially, it was restricted to the members of the institutions of the Expert Advisory Group and of the Steering Board of eMobility, which are already a very good sample of various institutions with activity in the area, but then it was decided to open it to all members of eMobility. Registrations will be limited to room capacity, and will be accepted on a “first come first serve” basis.

Nevertheless, all conclusions of this work will be taken to all members of eMobility. The possibility of taping the whole event is under analysis.

TRANSPORTATION

The arrival airport is Cologne (Köln / Bonn).

From the airport to Bonn, you can take a taxi (it will cost around 35 €) or a bus (it will cost around 2.5 €). The bus goes to downtown Bonn, and leaves the airport from Terminal 2, lower level.

ACCOMODATION

Three hotels are recommended:

- Maritim Hotel Bonn
(4 Star)
Godesberger Allee
53175 Bonn
Tel. +49 (0) 228 8108-0
Fax +49 (0) 228 8108-811
Email: info.bon@maritim.de
<http://www.maritim.de/typo3/index.php?id=677>
Rooms at 123 €. This hotel is across the street and walking distance from DT Headquarters (5 ~ 10 Min. walk)
- Sternhotel Bonn
(3 Star)
Markt 8
53111 Bonn
Tel: +49 228 72670
http://www.sternhotel-bonn.de/Our_Sternhotel_Bonn.html
Rooms at 69 €. From this hotel you will have to take the subway for about 5 stations (15 min.) and get off at the Deutsche Telekom station.
- Derag Hotel Kanzler
(4 Star)
Adenauerallee 148
53113 Bonn
Phone +49 (0)228-68 44-0
Fax +49 (0)228-68 44-160
Email: kanzler@deraghotels.de
<http://www.deraghotels.de/en/>

Please note that the hotels seem to be quite booked, so please call soon and make a reservation!!
Also mention that this should be on a Deutsche Telekom rate.

REGISTRATION

There will be no registration fee, as Deutsche Telekom is sponsoring the event.

The number of participants is limited.

Nevertheless, all participants are required to register by sending an email to Ms. Dijana Imbricic, Dijana.Imbricic@telekom.de, as soon as possible, but no later than Wednesday, 2006-05-17.

Invited speakers are exempt from registration, as the organisation of the workshop will take care of that.